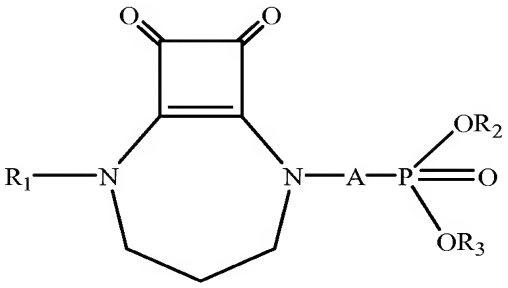
This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. ***(previously presented)*** A compound of formula (I) or a pharmaceutically acceptable salt thereof:



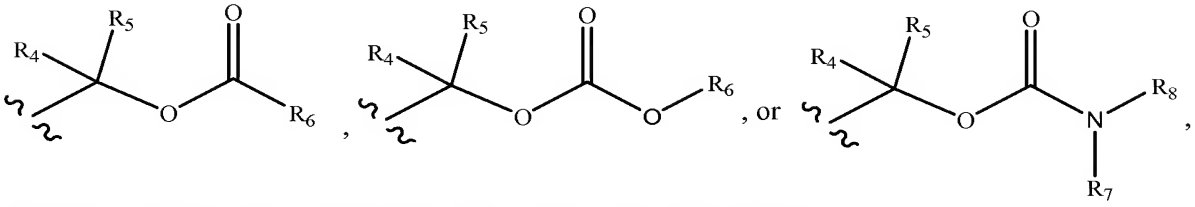
(I)

wherein:

R_1 is hydrogen, a C_1 to C_6 alkyl group, a C_2 to C_7 acyl group, a C_1 to C_6 alkanesulfonyl group, or a C_6 to C_{14} aroyl group;

A is alkylene of 1 to 4 carbon atoms or alkenylene of 2 to 4 carbon atoms;

R_2 and R_3 are independently selected from hydrogen, or



with the proviso that at least one of R_2 and R_3 is not hydrogen;

R_4 and R_5 are independently selected from hydrogen, a C_1 to C_4 alkyl group, a C_5 to C_7 aryl group, a C_6 to C_{15} alkylaryl group having 5 to 7 carbon atoms in the aryl ring, a C_2 to C_7 alkenyl group, or C_2 to C_7 alkynyl group, or R_4 and R_5 may together form a spiro C_3 to C_8 carbocyclic ring;

R_6 is a C_1 to C_{12} linear or branched alkyl group, a C_2 to C_7 linear or branched alkenyl or alkynyl group, a C_5 to C_{13} aryl group, a C_6 to C_{21} alkylaryl group having 5 to 13 carbon atoms in the aryl moiety; a 5 to 13 membered heteroaryl group, a 6 to 21 membered alkylheteroaryl group having 5 to 13 members in the heteroaryl moiety, a

C_4 to C_8 cycloalkyl group, a C_5 to C_{16} alkylcycloalkyl group having 4 to 8 carbon atoms in the cycloalkyl ring;

R_7 and R_8 are independently selected from hydrogen, a C_1 to C_{12} linear or branched alkyl group, a C_2 to C_7 linear or branched alkenyl or alkynyl group, a C_5 to C_{13} aryl group, a C_6 to C_{21} alkylaryl group having 5 to 13 carbon atoms in the aryl moiety, a 5 to 13 membered heteroaryl group, a 6 to 21 membered alkylheteroaryl group having 5 to 13 members in the heteroaryl moiety, or R_7 and R_8 may together form a cycloalkyl or heterocycloalkyl group having in the ring 4 to 8 carbon atoms and optionally one to two atoms selected from nitrogen, oxygen or sulfur;

wherein any R_1 to R_8 group having an aryl, heteroaryl, cycloalkyl or heterocycloalkyl moiety may optionally be substituted on the aryl, heteroaryl, cycloalkyl or heterocycloalkyl moiety with 1 to about 5 substituents independently selected from a halogen atom, a cyano, nitro or hydroxyl group, a C_1-C_6 alkyl group, or a C_1-C_6 alkoxy group.

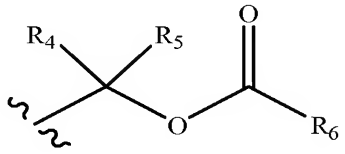
2. ***(original)*** The compound of claim 1 wherein R_1 is H or a C_1 to C_4 alkyl group.

3. ***(original)*** The compound of claim 2 wherein A is an alkylene group having the formula --$(CH_2)_n$-, where n is 1 to 3.

4. ***(original)*** The compound of claim 3 wherein n is 2.

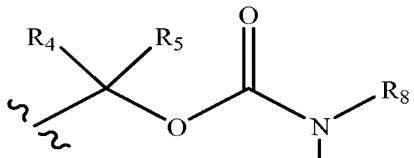
5. ***(original)*** The compound of claim 4 wherein R_4 and R_5 are independently selected from H or a C_1 to C_4 alkyl group, and R_6 is selected from a C_3 to C_{10} linear or branched alkyl group, a C_5 to C_7 aryl group, a 5- to 7-membered heteroaryl group, or a cycloalkyl group having in the ring 5 to 7 carbon atoms.

6. ***(original)*** The compound of claim 5 wherein R_2 and R_3 are independently selected from H or the moiety:



(B)

or



(D)

with the proviso that at least one of R_2 and R_3 is not H.

7. ***(original)*** The compound of claim 6 wherein R_2 and R_3 are independently selected from H or the moiety (B).

8. ***(original)*** The compound of claim 7 wherein R_6 is a C_5 to C_7 aryl group.

9. ***(currently amended)*** The compound of claim 1 wherein at least one compound of formula (I) is selected from:

a) 3-{2-[8,9-dioxo-2,6-diazabicyclo[5.2.0]non-1(7)-en-2-yl]ethyl}-3-oxido-7-oxo-7-phenyl-2,4,6-trioxa-3-phosphahept-1-yl benzoate;

b) 3-{2-[8,9-dioxo-2,6-diazabicyclo[5.2.0]non-1(7)-en-2-yl]ethyl}-3-oxido-7-oxo-8-propyl-2,4,6-trioxa-3-phosphaundec-1-yl-2-propylpentanoate;

c) 2,2-dimethyl-propionic acid {(2,2-dimethyl-propionyloxymethoxy)-[2-(8,9-dioxo-2,6-diaza-bicyclo[5.2.0]-non-1(7)-en-2-yl)-ethyl]-phosphinoyloxy} methyl ester;

d) 7-cyclohexyl-3-{2-[8,9-dioxo-2,6-diazabicyclo[5.2.0]non-1(7)-en-2-yl]ethyl}-1,5-dimethyl-3-oxido-7-oxo-2,4,6-trioxa-3-phosphahept-1-yl cyclohexanecarboxylate;

e) ~~**7-cyclohexyl-3-{2-[8,9-dioxo-2,6-diazabicyclo[5.2.0]non-1(7)-en-2-yl]ethyl}-3-oxido-7-oxo-2,4,6-trioxa-3-phosphahep-t-1-yl cyclohexanecarboxylate;**~~
7-cyclohexyl-3-{2-[8,9-dioxo-2,6-diazabicyclo[5.2.0]non-1(7)-en-2-yl]ethyl}-3-oxido-7-oxo-2,4,6-trioxa-3-phosphahept-1-yl cyclohexanecarboxylate;

f) [2-(8,9-Dioxo-2,6-diaza-bicyclo[5.2.0]non-1-(7)-en-2-yl)-ethyl]-phosphonic acid diisopropoxycarbonyl oxymethyl ester;

g) [2-[8,9-dioxo-2,6-diazabicyclo[5.2.0]non-1(7)-en-2-yl]ethyl]-phosphonic acid bis[1-(benzoyloxy)ethyl] ester;

h) benzoic acid [2-(8,9-dioxo-2,6-diaza-bicyclo[5.2.0]non-1(7)-en-2-yl)-ethyl]-hydroxy-phosphinoyloxymethyl ester; or

i) [2-(8,9-Dioxo-2,6-diaza-bicyclo[5.2.0]non-1(7)-en-2-yl)-ethyl]-phosphonic acid di-dimethylcarbamoyloxymethyl ester; or

a pharmaceutically acceptable salt thereof.

10. ***(original)*** The compound of claim 1 wherein the compound of formula (I) is selected from

a) 3-{2-[8,9-dioxo-2,6-diazabicyclo[5.2.0]non-1 (7)-en-2-yl]ethyl}-3-oxido-7-oxo-7-phenyl-2,4,6-trioxa-3-phosphahept-1-yl benzoate;

b) [2-[8,9-dioxo-2,6-diazabicyclo[5.2.0]non-1 (7)-en-2-yl]ethyl]-phosphonic acid bis[1-(benzoyloxy)ethyl]ester; or

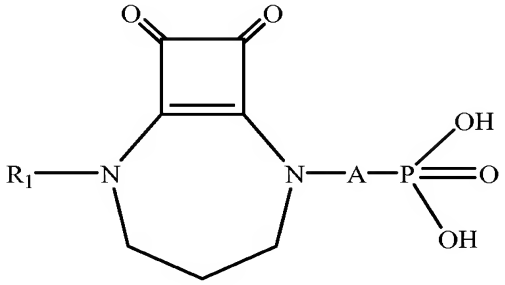
c) benzoic acid [2-(8,9-dioxo-2,6-diaza-bicyclo[5.2.0]non-1 (7)-en-2-yl)-ethyl]-hydroxy-phosphinoyloxymethyl ester; or

a pharmaceutically acceptable salt thereof.

Claims 11 to 28 ***(cancelled)***

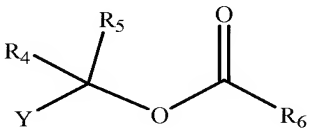
29. ***(previously presented)*** A product made by the process comprising:

a) reacting a compound of formula (II)

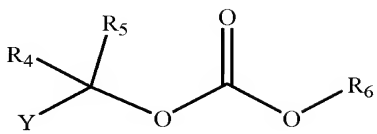


(II)

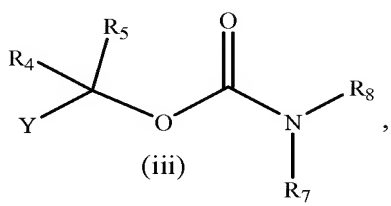
and at least one ester selected from



(i)



(ii)



(iii)

wherein

R_1 is hydrogen, a C_1 to C_6 alkyl group, a C_2 to C_7 acyl group, a C_1 to C_6 alkanesulfonyl group, or a C_6 to C_{14} aroyl group;

A is alkylene of 1 to 4 carbon atoms or alkenylene of 2 to 4 carbon atoms;

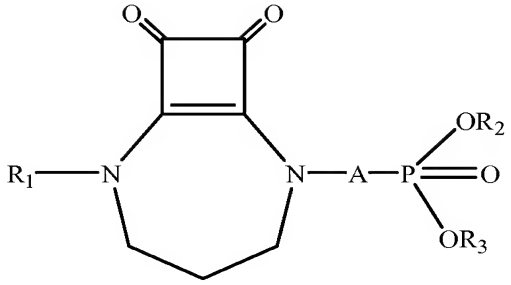
Y is a leaving group;

R_4 and R_5 are independently selected from hydrogen, a C_1 to C_4 alkyl group, a C_5 to C_7 aryl group, a C_6 to C_{15} alkylaryl group having 5 to 7 carbon atoms in the aryl ring, a C_2 to C_7 alkenyl group, or C_2 to C_7 alkynyl group, or R_4 and R_5 may together form a spiro C_3 to C_8 carbocyclic ring;

R_6 is a C_1 to C_{12} linear or branched alkyl group, a C_2 to C_7 linear or branched alkenyl or alkynyl group, a C_5 to C_{13} aryl group, a C_6 to C_{21} alkylaryl group having 5 to 13 carbon atoms in the aryl moiety; a 5 to 13-membered heteroaryl group, a 6 to 21 membered alkylheteroaryl group having 5 to 13 members in the heteroaryl moiety, a C_4 to C_8 cycloalkyl group, a C_5 to C_{16} alkylcycloalkyl group having 4 to 8 carbon atoms in the cycloalkyl ring; and

R_7 and R_8 are independently selected from hydrogen, a C_1 to C_{12} linear or branched alkyl group, a C_2 to C_7 linear or branched alkenyl or alkynyl group, a C_5 to C_{13} aryl group, a C_6 to C_{21} alkylaryl group having 5 to 13 carbon atoms in the aryl moiety; a 5 to 13 membered heteroaryl group, a 6 to 21 membered alkylheteroaryl group having 5 to 13 members in the heteroaryl moiety, or R_7 and R_8 may together form a cycloalkyl or heterocycloalkyl group having in the ring 4 to 8 carbon atoms and optionally one to two atoms selected from nitrogen, oxygen or sulfur; and

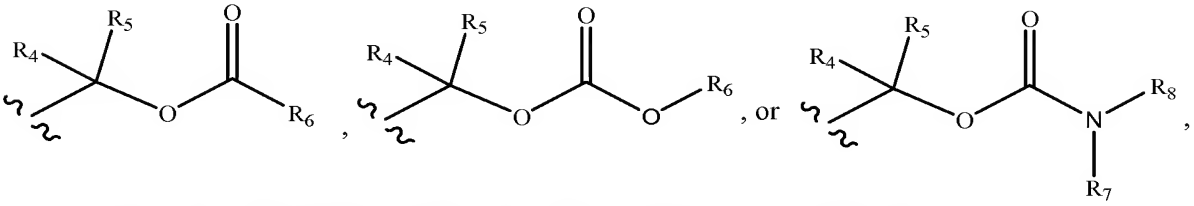
b) forming a product of formula (I) or a pharmaceutically acceptable salt thereof



(I)

wherein:

R_2 and R_3 are independently selected from hydrogen, or



with the proviso that at least one of R_2 and R_3 is not hydrogen;

R_1, A, R_4, R_5, and R_6 in formula (I) are defined as in formula (II); wherein any R_1 to R_8 group in formula (I) or (II) having an aryl, heteroaryl, cycloalkyl or heterocycloalkyl moiety may optionally be substituted with 1 to about 5 substituents independently selected from a halogen atom, a cyano, nitro or hydroxyl group, a C_1-C_6 alkyl group, or a C_1-C_6 alkoxy group.